

SEQUENCE LISTING

<110> Synaptic Pharmaceutical Corporation

<120> DNA Encoding SNORF36a and SNORF36b Receptors

<130> 59138-B-PCT/JPW

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<150> 09/518,914

<151> 2000-03-03

<150> 09/303,593

<151> 1999-05-03

<160> 48

<170> PatentIn Ver. 2.1

<210> 1

<211> 1508

<212> DNA

<213> Homo sapiens

<400> 1

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 <212> PRT
 <213> Homo sapiens

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 35 40 45
 Ala Pro Gly Thr Trp Ala Ala Ala Trp Val Pro Leu Pro Thr Val Asp
 50 55 60
 Val Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val
 65 70 75 80
 Gly Leu Thr Gly Met Leu Gly Asn Leu Thr Val Ile Tyr Thr Phe Cys
 85 90 95
 Arg Ser Arg Ser Leu Arg Thr Pro Ala Asn Met Phe Ile Ile Asn Leu
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 Ala Val Ser Asp Phe Leu Met Ser Phe Thr Gln Ala Pro Val Phe Phe
 115 120 125
 Thr Ser Ser Leu Tyr Lys Gln Trp Leu Phe Gly Glu Thr Gly Cys Glu
 130 135 140
 Phe Tyr Ala Phe Cys Gly Ala Leu Phe Gly Ile Ser Ser Met Ile Thr
 145 150 155 160
 Leu Thr Ala Ile Ala Leu Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu
 165 170 175
 Ala Thr Phe Gly Val Ala Ser Lys Arg Arg Ala Ala Phe Val Leu Leu
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Gly Val Trp Leu Tyr Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly
 195 200 205
 Trp Ser Ala Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp
 210 215 220
 Tyr Met Ser Phe Thr Pro Ala Val Arg Ala Tyr Thr Met Leu Leu Cys
 225 230 235 240
 Cys Phe Val Phe Phe Leu Pro Leu Leu Ile Ile Ile Tyr Cys Tyr Ile
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 Phe Ile Phe Arg Ala Ile Arg Glu Thr Gly Arg Ala Leu Gln Thr Phe
 260 265 270
 Gly Ala Cys Lys Gly Asn Gly Glu Ser Leu Trp Gln Arg Gln Arg Leu
 275 280 285
 Gln Ser Glu Cys Lys Met Ala Lys Ile Met Leu Leu Val Ile Leu Leu
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 Phe Val Leu Ser Trp Ala Pro Tyr Ser Ala Val Ala Leu Val Ala Phe
 305 310 315 320
 Ala Gly Tyr Ala His Val Leu Thr Pro Tyr Met Ser Ser Val Pro Ala
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 Val Ile Ala Lys Ala Ser Ala Ile His Asn Pro Ile Ile Tyr Ala Ile
 340 345 350
 Thr His Pro Lys Tyr Arg Val Ala Ile Ala Gln His Leu Pro Cys Leu
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 Gly Val Leu Leu Gly Val Ser Arg Arg His Ser Arg Pro Tyr Pro Ser
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 Tyr Arg Ser Thr His Arg Ser Thr Leu Thr Ser His Thr Ser Asn Leu
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 Ser Trp Ile Ser Ile Arg Arg Arg Gln Glu Ser Leu Gly Ser Glu Ser
 405 410 415
 Glu Val Gly Trp Thr His Met Glu Ala Ala Ala Val Trp Gly Ala Ala
 420 425 430
 Gln Gln Ala Asn Gly Arg Ser Leu Tyr Gly Gln Gly Leu Glu Asp Leu
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 <211> 1541
 <212> DNA
 <213> Homo sapiens

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<210> 4
 <211> 489
 <212> PRT
 <213> Homo sapiens

<400> 4

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Arg	Ala	Val	Leu	Arg	Gly	Val	Thr	Val	Met	Met	Gln	Ser	Arg	Ser	Leu	100	105	110	
Arg	Thr	Pro	Ala	Asn	Met	Phe	Ile	Ile	Asn	Leu	Ala	Val	Ser	Asp	Phe	115	120	125	
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Gly	Ala	Leu	Phe	Gly	Ile	Ser	Ser	Met	Ile	Thr	Leu	Thr	Ala	Ile	Ala	165	170	175	
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Ala	Ser	Lys	Arg	Arg	Ala	Ala	Phe	Val	Leu	Leu	Gly	Val	Trp	Leu	Tyr	195	200	205	
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 325 330 335
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 385 390 395 400
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 His Met Glu Ala Ala Ala Val Trp Gly Ala Ala Gln Gln Ala Asn Gly
 435 440 445
 Arg Ser Leu Tyr Gly Gln Gly Leu Glu Asp Leu Glu Ala Lys Ala Pro
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<210> 5

<211> 250

<212> DNA
 <213> Rattus norvegicus

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 <212> PRT
 <213> Rattus norvegicus

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 35 40 45
 Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp Tyr Val Thr
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 <212> DNA
 <213> Rattus norvegicus

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<210> 8

<211> 474

<212> PRT

<213> Rattus norvegicus

<400> 8

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Thr Gln Asn Ile Ser Val Arg Val Gln Leu Leu Ser Val Ser Pro Thr
      35             40             45

Thr Pro Gly Leu Gln Ala Ala Ala Trp Val Pro Phe Pro Thr Val Asp
      50             55             60

Val Pro Asp His Ala His Tyr Thr Leu Gly Thr Val Ile Leu Leu Val
      65             70             75             80

Gly Leu Thr Gly Met Leu Gly Asn Leu Thr Val Ile Tyr Thr Phe Cys
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Arg Asn Arg Gly Leu Arg Thr Pro Ala Asn Met Leu Ile Ile Asn Leu
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 145 150 155 160
 Leu Thr Ala Ile Ala Met Asp Arg Tyr Leu Val Ile Thr Arg Pro Leu
 165 170 175
 Ala Thr Ile Gly Met Arg Ser Lys Arg Arg Thr Ala Leu Val Leu Leu
 180 185 190
 Gly Val Trp Leu Tyr Ala Leu Ala Trp Ser Leu Pro Pro Phe Phe Gly
 195 200 205
 Trp Ser Ala Tyr Val Pro Glu Gly Leu Leu Thr Ser Cys Ser Trp Asp
 210 215 220
 Tyr Val Thr Phe Thr Pro Leu Val Arg Ala Tyr Thr Met Leu Leu Phe
 225 230 235 240
 Cys Phe Val Phe Phe Leu Pro Leu Leu Ile Ile Ile Phe Cys Tyr Ile
 245 250 255
 Phe Ile Phe Arg Ala Ile Arg Glu Thr Gly Arg Ala Cys Glu Gly Cys
 260 265 270
 Gly Glu Ser Pro Leu Arg Arg Arg Gln Trp Gln Arg Leu Gln Ser Glu
 275 280 285
 Trp Lys Met Ala Lys Val Ala Leu Ile Val Ile Leu Leu Phe Val Leu
 290 295 300
 Ser Trp Ala Pro Tyr Ser Thr Val Ala Leu Val Gly Phe Ala Gly Tyr
 305 310 315 320
 Ser His Ile Leu Thr Pro Tyr Met Ser Ser Val Pro Ala Val Ile Ala
 325 330 335
 Lys Ala Ser Ala Ile His Asn Pro Ile Ile Tyr Ala Ile Thr His Pro
 340 345 350
 Lys Tyr Arg Ala Ala Ile Ala Gln His Leu Pro Cys Leu Gly Val Leu
 355 360 365

Leu Gly Val Ser Gly Gln Arg Ser His Pro Ser Leu Ser Tyr Arg Ser
 370 375 380

Thr His Arg Ser Thr Leu Ser Ser Gln Ser Ser Asp Leu Ser Trp Ile
 385 390 395 400

Ser Gly Gln Lys Arg Gln Glu Ser Leu Gly Ser Glu Ser Glu Val Gly
 405 410 415

Trp Thr Asp Thr Glu Thr Thr Ala Ala Trp Gly Ala Ala Gln Gln Ala
 420 425 430

Ser Gly Gln Ser Phe Cys Ser His Asp Leu Glu Asp Gly Glu Val Lys
 435 440 445

Ala Pro Ser Ser Pro Gln Glu Gln Lys Ser Lys Thr Pro Lys Thr Lys
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Arg His Leu Pro Ser Leu Asp Arg Arg Met
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<210> 9
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

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<210> 10
 <211> 45
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

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<210> 11
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<212> DNA
 <213> Artificial Sequence

 <220>
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 <211> 45
 <212> DNA
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 <220>
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 <210> 14
 <211> 45
 <212> DNA
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 <210> 15
 <211> 27

<212> DNA
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 <220>
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 <210> 16
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 <210> 17
 <211> 25
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 <213> Artificial Sequence

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 <210> 19
 <211> 24

<212> DNA
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 <220>
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 <210> 21
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 <210> 22
 <211> 23
 <212> DNA
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 <220>
 <223> Description of Artificial Sequence: primer/probe

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 <210> 23
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<212> DNA
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 <223> Description of Artificial Sequence: primer/probe

 <400> 23
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 <210> 24
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 <212> DNA
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 <220>
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 <210> 25
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 <210> 26
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 <212> DNA
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 <223> Description of Artificial Sequence: primer/probe

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 <210> 27
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<212> DNA
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<223> Description of Artificial Sequence: primer/probe

<400> 27

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<210> 28

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

<400> 28

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<210> 29

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

<400> 29

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<210> 30

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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 <400> 37
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 <210> 38
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18

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<223> Description of Artificial Sequence: primer/probe

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19

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24

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24